

Notice of Allowability

Application No.

09/227,398

Examiner

Naghmeh Mehrpour

Applicant(s)

LEUNG, KENT K.

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to remark filed on 05/22/06.
2. ☒ The allowed claim(s) is/are 1-4,7,12-14,18,22-29,32 and 36-45, 47-56.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

MELODY MEHRPOUR
PATENT EXAMINER

DETAILED ACTION

Allowable Subject Matter

1. **Claims 1-4, 7, 12-14, 18, 22-29, 36-45, 47-56,** are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding **claims 1, 3, 13, 27, 47**, the present application teaches a network device (home agent/foreign agent) which supports Mobile IP protocol, an AAA server which does not support the IP mobile protocol directly, is configured to maintain accounting information for a plurality of mobile supported by a plurality of the network devices (Home Agent/foreign Agent), an accounting request to the AAA server which is supporting AAA protocol in response to a trigger event, updating the accounting information using a counter provided in the accounting request associated with the IP mobile node using the counter, the Mobile IP protocol does not support AAA server protocol directly, instruction comprising as specifically mentioned on claims 1, 3, 13, 27, 47.

The closest prior art to the present application such as Inoue (US Publication Number 2002/0186688) teaches a mobile IP communication scheme capable of authenticating an individual user who is operating the mobile computer when the mobile computer is connected to a visited site network and transmits a current location registration message to a home agent, the current location of the mobile computer is registered at the home agent when the user is judged as a proper user.

Inoue fails to teach a network device (home agent/foreign agent) which supports Mobile IP protocol, an AAA server configured to maintain accounting information for a plurality of mobile supported by a plurality of the network devices (Home Agent/foreign Agent), the AAA server and the IP mobile protocol do not support each others protocol directly, an accounting request to the AAA server which is supporting AAA protocol in response to a trigger event, updating the accounting information using a counter provided in the accounting request associated with the IP mobile node using the counter, instruction comprising as specifically mentioned on claims 1, 3, 13, 27, 47.

Regarding **claims 37, 39**, the present application teaches a computer-readable medium having thereon computer readable instruction for updating accounting information for a mobile node in a AAA server that does not support Mobile IP during a session, the AAA server protocol is configured to maintain accounting information for a plurality of mobiles nodes, the accounting information being received form a plurality of network devices, each of the plurality of network devices being a Home Agent or Foreign Agent supporting Mobile IP protocol and the AAA protocol, instruction comprising as specifically mentioned on claims 37, 39.

The closest record of prior the present application such as Inoue (US Publication Number 2002/0186688) teaches a mobile IP communication scheme capable of authenticating an individual user who is operating the mobile computer when the mobile computer is connected to a visited site network and transmits a current location

registration message to the home agent, the current location of the mobile computer is registered at the home agent when the user is judged as a proper user.

Inoue fails to teach a computer-readable medium having thereon computer readable instruction for updating accounting information for a mobile node in a AAA server that does not support Mobile IP during a session, the AAA server protocol is configured to maintain accounting information for a plurality of mobiles nodes, the accounting information being received form a plurality of network devices, each of the plurality of network devices being a Home Agent or Foreign Agent supporting Mobile IP protocol and the AAA protocol, instruction comprising as specifically mentioned on claims 37, 39.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naghmeh Mehrpour whose telephone number is 571-272-7913. The examiner can normally be reached on 8:00 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold be reached (703) 305-4379.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NM

July 13, 2006


MELODY MEHRA
PATENT EXAMINER